GAWEL, Antoni

Trace elements in ashes of asphaltites and of carbonized wood and lignites. Rocz geol Krakow 32 no.4:559-564 162.

1. Department of Mineralogy and Petrography, Jagellonian University, Krakow.

GAWEL, Antoni

Creation of the Carpathian Association and its First Congress in Poland. Rocz geol Krakow 33 no.1/3:5-10 '63.

1. Katedra Mineralogii i Petrografii, Uniwersytet Jagiellonski, Krakov.

ACCESSION NR:

AN 5021683

PO/9000/65/000/166/0001/0001

AUTHOR: Gawel, Czeslaw (lieutenant Colonel)

TITIE: A photograph of one day Artillery training motion picture

SOURCE: Zolnierz wolnosci, no. 166, 1965, 1, 3

TOPIC TAGS: training procedure, gunnery training, motion picture photography

ABSTRACT: This article presents an eyewitness account of a one-day visit to an artillery range during the filming of a training motion picture. Target practice by an anti-tank artillery battery was filmed according to instructions issued by the Szefostwo Artyllerii WP (Staff of the Artillery, WP). Consultant to the film was Lt. Col. K. Grzeszczak who specializes in the psychology of the anti-tank gunner. The film was made under actual conditions with no rehearsals. The soldiers engaged in target practice received no instructions, and began their task after an alarm was sounded, with no breakfast. From the garrison they went in trucks to the firing range several miles away, and it is noted that the distances between the trucks were too long because young, recently trained drivers were too cautious and wanted to keep some distance behind the truck ahead. Some films were taken from aircraft to test the quality of the camouflage. The importance of aerial photography in estimating the quality of camouflage of Card 1/2

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ACCESSION NR: AN5021683				٠, ,	0	
combat units is noted. On	rig. art. has:	3 figures.		•		
ASSOCIATION: none	# 1	· • • • •		•		
SUBMITTED: 00	ENCL:	00	SUB CODE:	ES, MS		
NO REF SOV: 000 ;	OTHER:	000				

AUTHOR: Gawel, C. (Lieutenant Colonel) ORG: none FITIE: Infrared night viewer test model SOURCE: Zolnierz wolnosci, no. 162, 1965, 2 MOPIC TAGS: infrared night viewer, detection equipment, electronic equipment, armed forces, test model ABSTRACT: The infrared night viewer that became popular several years ago is currently used in the Polish Armed Forces by military drivers and scouts. It is also used as a reapon sight. The night viewer was tested on a model designed by First Lieutenant and Wilkonski. This model will be tested by various armed force units both indoors and under field conditions and used in training military personnel in the use of the night viewers. Orig. art. has: 1 figure.	_L 20506_66 _ IJP(c) _ CC				ı
PITIE: Infrared night viewer test model SOURCE: Zolnierz wolnosci, no. 162, 1965, 2 ROPIC TAGS: infrared night viewer, detection equipment, electronic equipment, armed forces, test model ABSTRACT: The infrared night viewer that became popular several years ago is currently used in the Polish Armed Forces by military drivers and scouts. It is also used as a veapon sight. The night viewer was tested on a model designed by First Lieutenant Bogumil Wilkonski. This model will be tested by various armed force units both indoors and under field conditions and used in training military personnel in the use of the night viewers. Orig. art. has: 1 figure.	L 20506-66 _ IJP(c) _ CCAN5022200	(A) SOURCE COD	E: PO/9000/65/000/	162/0002/0002	j
ORG: none FITTLE: Infrared night viewer test model SOURCE: Zolnierz wolnosci, no. 162, 1965, 2 ROPIC TAGS: infrared night viewer, detection equipment, electronic equipment, armed forces, test model ABSTRACT: The infrared night viewer that became popular several years ago is currently used in the Polish Armed Forces by military drivers and scouts. It is also used as a verapon sight. The night viewer was tested on a model designed by First Lieutenant and under field conditions and used in training military personnel in the use of the night viewers. Orig. art. has: 1 figure.	AUTHOR: Gawel, C. (Lieutens	ant Colonel)		21	
SOURCE: Zolnierz wolnosci, no. 162, 1965, 2 ROPIC TAGS: infrared night viewer, detection equipment, electronic equipment, armed forces, test model ABSTRACT: The infrared night viewer that became popular several years ago is currently used in the Polish Armed Forces by military drivers and scouts. It is also used as a reapon sight. The night viewer was tested on a model designed by First Lieutenant dogumil Wilkonski. This model will be tested by various armed force units both indoors and under field conditions and used in training military personnel in the use of the night viewers. Orig. art. has: 1 figure.	ORG: none	B HE		B	
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UB CODE: 15, 09 SUBM DATE: none	weapon sight. The night vie Bogumil Wilkonski. This mod	rces by military drivers a ever was tested on a model del will be tested by vari and used in training milit	and scouts. It is a l designed by First	lso used as a Lieutenant	
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GAWEL, Roman, mgr inz.

Evaluation of the causes of coal crumbling on the way from the heading to the railway cars. Przegl gorn 19 no.12: 486-491 D 163.

GAWEL, Wladyslaw, inz.

Investigation on dedusting in the Cast Iron Foundry of the Lenin Iron Works. Przegl odlew 22:367-370 '61.

GAWEL, Wladyslaw, inz.

Research on improvements of the quality of inget molds and bottom plates. Przegl odlew 12 nc.10:310-316 0 162.

GAMENDA, F.

Polish Tec.mical Abst.

Chemistry and Chemical Technology

No. 1 1954

2541

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Niewisdomski H.
Fish Liver Olis.

I, Gawenda F. Industrial Application of Polymerized

"Przemysłowe zastosowanie polimeryzacji tranów". (Prace Cd. List. Przem. Roln. i Spoż. No. 3), Warszawa, 1952, PWT, 8 pp. 7 tabs.

A number of thermal polymerizations of cod liver-oil and herring oil in different gaseous media were carried out, in the presence of or without sulphites. The usefulness of these methods was do ernunod. The effect of certain catalyzers on the rate of the polymerization process was examined, together with the effect of refining on the process and quality of the final product. Investigations into the re-appearance of the cod-liver oil odour in products of polymerization, soaps and textile products washed with them were carried out by means of organoleptic methods. It was proved that 1) temperature is the fundamental factor influencing the rate of the polymerizing process. The optimum temperature range for polymerization in the presence of codium or potassium sulphites is 230-290°C; 2) the oplimum time of polymerication at these temperatures with the addition of sulphites is 5 hours of heating; 3) the gaseous medium is the decisive factor in the oppearance of the final product of polymerization; the usefulness of different media in polymerization for the production of soap was as follows: SO₄ obtained from the decomposition of the added sulphite, gazeous SO2, CO2 and air at reduced pressure. 4) the use of salts emitting SO₂ after heating, simplifies the equipment designed for obtaining and conducting gaseous anhydride of sulphurous acid: in the presence of these salts, polymerization takes place in the same way as in a medium of gaseous sulphurous anhydride. Technical sodium sulphite used in amounts of 1% is also convenient for obtaining SO2; 5) polymortza-

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"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514520002-2

tion in the presence of sulphites is also advantageous, since the products of such polymerization give soaps resistant to ranciality, is a product of polymerization is considered as stable, when its fedine value is below 95, or Rep is above 75, and when it gives a permanently decoderised soap; 7) losses during polymerization in the presence of sulphites do not exceed 0.6%; 8) the addition of polymerized ced liver on an quantities of 10% bastens the precise; 9) orthorogodose not influence the polymerizing process, but markedly sittleful the quality of the total product; 10) no re-appearance of the cod liver oil odour or in other words depolymerization, was found in either the products of polymerization or in the soaps produced from them and consistend as devolved, or in textile products washed with these soaps. Neither reducers not exhibiters couse the reappearance of this odour.

GAWENDA, F

POL.

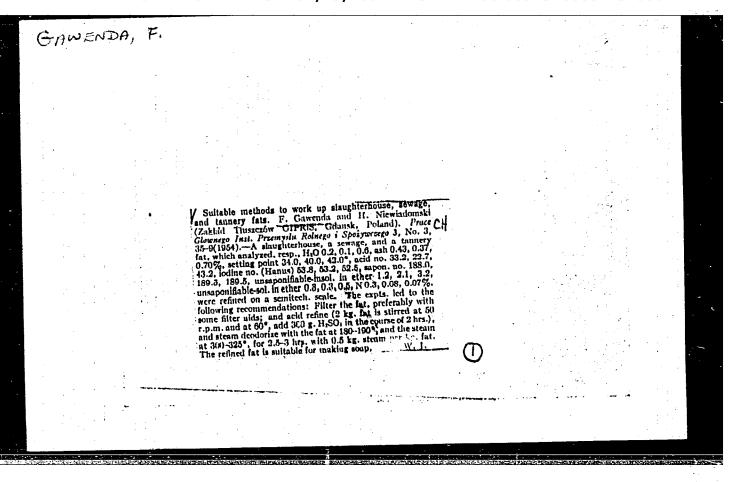
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605.1: 338: 658.5

Gawonda R. Niewladomski H. Klaburation of Methods of Sulfable Utili aution of Wasto Pats from Slaughterhouse, Tunners und Bewage.

"Opracowanie meled właściwego wykorzystania Uuszczów odpadowych utyllzacyjnych, kanalowych i pogarbarykich", (Prace Gl. Inst. Przwa. Roln. I Spot. No. 3), Warszawa, 1954, PWT, 5 pp., 4 tabs.

Three kinds of waste fats were examined - from slaughterhouse, tannery and sewage - with a view to utilizing them as a substance auxillary to the basis in suap production. It was noted that such fats could be made suitable for this purpose, provided that the following are performed: It clarification of fat to remove its mechanical impurities; 2) refining the fats with adphuric acid; 3) subjecting the fats to the blowing process at a temperature of 180-1969C with water vapour overheated up to 3000C; he process should be continued until milodorous vapours are on longer given off and until the test sample taken from the fat is neutral by smell.



H

GAWENDA, F.

POLAND / Chemical Technology. Chemical Products and Their Application. Water Treatment. Sewage.

Abs Jour: Ref Zhur-Khimiya, No 12, 1959, 42758.

Author : Gawenda F. Inst : Not given.

: Method of Determining Hardness of Boiler Feed Water. Title

Orig Pub: Techn. i gospod. morska, 1958, 8, No 1, 12-14.

Abstract: A method of complexometrical determination is described. -- O. Lenchevskiy.

Card 1/1

H-9

GAMENDA, Franciszek, sugr inz.

Protection of spare engines, devices, instruments, and equipment of the ship against corrosion. Bud ckretowe Warszawa 9 no. 9: 324-326 S *64.

1. Central Ship Design Office No. 1, Gianak.

GAWENDA, I,; KURYLOWICZ, W.; WOZNICKA, W.

Comparison of biologic methods of penicillin determination. Med. dosw.mikrob. 2 no.2:173-175 1950. (CIML 20:6)

1. Summary of report given at 10th Congress of the Polish Microbiological and Epidemiological Society held in Gdansk, Sept. 1949. (Warsaw.)

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GAWENDA-DZIERZYNSKA, I.

Penetration of penicillin into the cerebrospinal fluid.

Med. dosw. mikrob. 3 no.1:109-120 1951. (CIML 20:11)

1. Of the National Institute of Hygiene and of the National Institute of Dermatology and Venereology in Warsaw.

BORENSZTAJN, D: GAWENDA-DZIERZYNSKA, I; KORZYBSKI, T; KOWSZYK, Z; KURYLOWICZ, W; NIEDZWIECKA-TRZASKOWSKA, I.

Properties of nonspecific penicillin manufactured in Poland. Polaki tygod. lek. 7 no.7-8:177-181 18 Feb 1952, (CLML 22:2)

1. Of the National Institute of Hygiene in Warsaw.

क्ष गणाता राज्य ५ ४० व्याप्य स्त्रा हा, हा, भूकृत साल

GAWENDA-DZIERZYNSKA, I.

Effect of variability of standard bacterial strains on results of penicillin assay. Med. dosw. mikrob. 5 no.2:177-182 1953. (CLML 25:1)

1. Of the State Institute of Hygiene in Warsaw.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514520002-2"

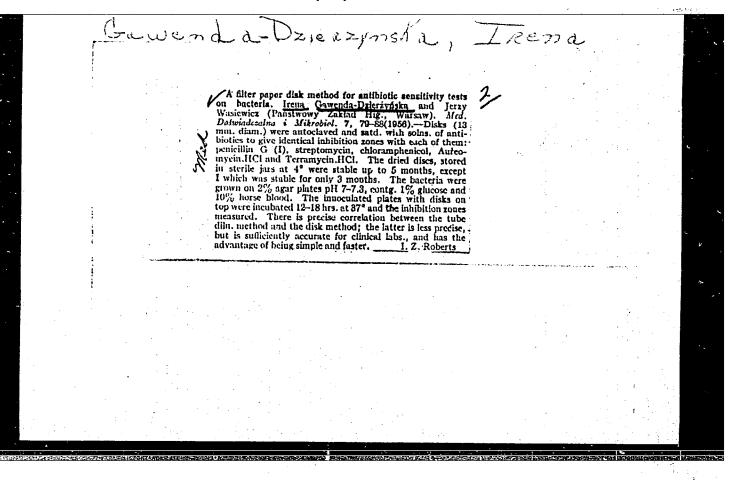
GAVENDA-DZI ERZYNSKA, Irena; POLAK, Teodor

Clinical evaluation the paper disk method of determination of sensitivity of pathogenic microorganisms. Polski tygod. lek. 10 no.42:1361-1365 17 Oct 55.

1. Panstw. Zakl. Hig., Warszawa, Chocimska 24. (Z Zakladu Antybiotykow Panstwowego Zakladu Higieny, kierownik: prof. dr. W. Kurylowicz i z II Eliniki Chirurgicznej A.M. w Warszawie; kierownik: prof. dr. J. Mossakowski).

(ANTIBIOTICS, resistance and sensitivity, bact., determ. with paper disk method.)

(BACTERIA, resistance and sensitivity, antibiotics, determ. with paper disk method.)



GAVENDA-DZIERZYESKA, Irena; VACSIEVICZ, Jersy

Determination of bacterial sensitivity to antibiotics with the aid of paper disks. Ned. dosw. mikrob. 8 no.1:79-88 1956.

1. Zaklad Antybiotykovpanstwowego sakladu higieny.

(ANTIBIOTICS, resistance and sensitivity, determ., paper disk technic. (Pol))

GAVEND DZIERZYNSKA, Irena, TOWPIK, Jozef, MORRIS, Wanda, GUZIKOWSKA, Maria

Level and retention in the blood of domestic processine penicillin. Polski tygod. lek. 13 no.16:591-596 21 Apr 58

1. (Z Zakladu Antybiotyków P.Z.H.; i z Instytutu Dermatologii i Wnerologii w Warszawie) Adres: Warszawa, ul. Chocimska 24. Zaklad Antybiotykov P.Z.H.

(PANICILLIN, rel. cpds. procaine penicillin, level & retention in blood (Pol)

OBOJSKA, Krystyma; GAWENDA-DZIERZYNSKA, Irena

A simple medium for biological determination of polymyxim B. Med. dosw.mikrob. 13 no.1:63-80 161.

1. Z Pracowni Kontroli Antybiotykow Instytutu Lekow w Warszawie Kierownik Pracowni: mgr Irena Gawenda-Dzierzynska.

(ANTIBIOTICS chem)

POLAND

GAVIN, Adam

Academy of Mining and Metallurgy (Akademia Gorniczo-Hutnicza), Crakow

Warsaw, Acta Geophysica Polonica, No 1, Jan-Mar 1966, pp 15-22

"Description of an electromagnetic field generated by a cylindrical antenna in a bore-hole."

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000514520002-2

SOURCE CODE: PO/0026/66/014/001/0015/0022 AP6020365 ACC NR: AUTHOR: Gawin, Adam ORG: Academy of Mining and Metallurgy, Krakow (Akademia Gorniczo-Hutnicza) TITLE: Determination of borehole electromagnetic fields excited by cylindrical antennas SOURCE: Acta geophysica polonica, v. 14, no. 1, 1966, 15-22 TOPIC TAGS: inductive borehole logging, cylindric antenna, electromagnetic field generator, Maxwell equation ABSTRACT: The paper deals with the theoretical aspects of inductive logging in a borehole, especially with the determination of the electromagnetic field excited in a borehole by a cylindric antenna. This approach simplifies obtaining the same solutions as those obtained by using more complex electromagnetic-field generating sources, such as dipoles or circular antennas. The whole set of Maxwell equations 1/2

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(external currents mainly) serves as a point of departure for the computations. It is assumed for the purpose of the investigation that the electromagnetic field excited by a cylindric generator is monochromatic, and that vectorially the current density passing through the feeding antenna has only one component. Computations lead to individual solutions which correspond to those obtained elsewhere, in which excitation is based on a solenoid or circular antenna; they form the basis for establishing general relationships, as in the case of heterogeneous media, or for other logging techniques, such as stabilization of the electromagnetic field. Interesting for practical !! purposes are the three log frequency curves in the paper, as they extend the range of borehole inductive-logging possibilities. Orig. art. has: 1 figure and 20 formulas.

ORIG REF: 001/ SOV REF: 001/ SUB CODE: 09, 20/ SUBM DATE: 27 May65/

OTH REF: 001/

1

Card 2/2 2C

GAWIN, B.

(HORYZONTY TECHNIKI, Vol. 6, No. 9, S pt. 1953, Warszawa, Poland)
"Behind the counter of a bookseller." p. 407

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, L.C., Vol. 3, No. 4, APRIL 1954

GAWIN, B.

"Errors and Defects in Technical Books," P. 144. (PRZEGLAD TECHNICZNY, Vol. 75, No. 4, Apr. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955 Uncl.

GAWIN, B.

For a proper policy in the field of geologic publications, p. 88. (PRZEGLAD GEOLOGICZNY, Warszawa, No. 2, Feb. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 4, Jan. 1955, Uncl.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514520002-2"

经验的基础的

	wir, C		
	Properties of chromium steel for catherizing of type 15H (CCI) S. Orzechowski And C. Gawin (Prace Inst. Minist. Hum., 1956, 8 117-154) — The requirements particularly for yield strength of the PN H 84029 standard for Cr steel for carburzing are excessive lempering at ~200°, following double hardening mental condition to secure high impact strength but does not after clongation and reduction of area. The influences of the secundardening process on the properties of the steel and their correlation with structural changes are analyzed.	1	A.C
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18(5.7)

POL/39-59-4-9/14

AUTHOR:

Goczal, J. Gawin, C and Chaj, A.

TITLE:

News from the Iron Metallurgy Institute in Gliwice - the Teepol Reagent as a Means to Determine Granular

Sizes in Steel

PERIODICAL:

Hutnik, 1959, Nr 4, pp 167-172 (Poland)

ABSTRACT:

The Polish trade name for the picric acid reagent known abroad as Teepol is Alkilo. Experiments carried out at the Institute in Gliwice showed that Teepol may be used in most cases and with most varieties of steel, this reagent may be used to reveal the granular structure of the metal. In the experiment, the time allowed for the reaction ranged from 5 to 12 minutes, depending on the concentration of the reagent and the type of steel tested. Reaction time can be shortened to 1 - 3 minutes, it was found, if the temperature of the experiment is raised to 55 C. After the reaction the metal surface was slightly polished before microscopic examination. There are 15 microphotographs,

Card 1/2

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POL/39-59-4-9/14

News from the Iron Metallurgy Institute in Gliwice - the Teepol Reagent as a Means to Determine Granular Sizes in Steel

2 tables and 2 references, 1 of which is French and 1 Polish

Card 2/2

S/276/63/000/002/011/052 A052/A126

AUTHORS:

Orzechowski, St., and Gawin, C.

TITLE:

Austenite grain and temper brittleness of Cr-Ni steel in

250-4000C temperature range

PERIODICAL:

Referativnyy zhurnal, Tekhnologiya mashinostroyeniya, no.2, 1963, 55, abstract 2B235 (Prace inst. hutn., v. 14, no. 3,

1962, 137-149, Polish; summaries in Russian and English)

TEXT: Cr-Ni steel and several grades of Cr-Mn steel with different Ti and Al additions were investigated. Hardening was carried out at different temperatures, thus changing the austenite grain size. Afterwards the investigated steels were tempered in the 200-500°C temperature range and as an exception at 600°C, after which the toughness at different temperatures was determined. Cr-Mn steels compared with Cr-Ni steels have a higher tendency to temper brittleness in the 200-400°C range. An Al addition has a positive effect on toughness (after tempering at 200 and 350°C) determined at low temperatures. The decrease of the tendency to temper brittleness in the 250-400°C range on adding Al is attributed partly to

Card 1/2

Austenite grain and temper...

s/276/63/000/002/011/052 A052/A126

the inhibition of the grain growth and partly to the binding of nitrogen into Al nitride, which under certain conditions has a positive effect on toughness. There are 7 tables and 13 references.

T. Kislyakova

(Abstracter's note: Complete translation.)

Card 2/2

S/137/63/000/002/029/034 A006/A101

AUTHORS:

Orzechowski, St., Gawin, C.

TITLE:

The austenite grain and temper brittleness in a range of 250 - 400°C

PERIODICAL:

Referativnyy zhurnal, Metallurgiya, no. 2, 1963, 66, abstract 2I375 ("Prace inst. hutn.", 1962, v. 14, no. 3, 137 - 149, Polish; summa-

ries in Russian and English)

TEXT: The authors investigated the effect of austenite grain size upon ak of low-tempered chrome-manganese steels (about 0.2% C, 0.3% Si, 1% Mn, 1% Cr) with admixture of Ti (about 0.1%) and Al (0.4 kg/ton of steel) and Cr-Ni-steels. Literature data on the fact that Ti and Al eliminate temper brittleness of Cr-Mn steel in the 250 - 400°C range, were not confirmed. Ti and Al securing fine grains in the investigated steels, according to McQued (Mak-Kved) do not fully remove the proneness of these steels to temper brittleness, although they reduce somewhat same. The effect of the size of the actual austenite grain was not single-valued, although smaller grain size is no doubt more favorable. The investigated Cr-Ni steel, type 12KhN3, was half teemed without Al and half with

Card 1/3

The austenite grain and...

S/137/63/000/002/029/034 A006/A101

addition of 1.2 kg Al per 1 ton of steel. The investigation was made for the purpose of determining the causes of the positive effect of Al in 12 XH3 (12KhN3) steel at 350°C: 1) whether this is due to small grain size according to McQued, 2) small size of actual austenite grains or 3) whether the Al nitrides play a decisive part. Quenching was performed from various temperatures (825, 875, 925, 1,000°C in water) for the purpose of changing the size of actual austenite grains; tempering was carried out within a range of 200 - 500°C. It is shown that Al admixtures, refining the grain according to McQued, reduce the temperature of ${f transition}$ from ${f brit}$ transition from ${f brit}$ but do not improve ${f a_k}$ of the steel in the critical temperature range and even somewhat impair same at lower temperatures. In the range over the critical grain refining according to McQued the **effect** upon \mathbf{a}_k is not single-valued (either positive or negative). Changes in the size of actual austenite grains within a range of no. 8.5 - 1, have not a $oldsymbol{ exttt{single-valued}}$ effect upon $oldsymbol{ exttt{a}}_k$ of the steel in the critical temperature range, but exert a decisive effect in the range below the critical one. In such a manner, a reduction of the proneness to temper brittleness in the range of 250 - 400°C does not take place because Al admixtures refine the grains according to McQued but, on the contrary, the smaller grains according to McQued and a reduced prone-

Card 2/3

The austenite grain and ...

S/137/63/000/002/029/034 A006/A101

ness to temper brittleness are the results of the effect of the same process - i.e. binding of N_2 or the presence of AlN separations. The investigated Cr-Mn steels even with admixtures of Al and Ti were more prone to temper brittleness in the 250 - 400° C range than 12KhN3 steel melted without any admixtures. There are 13 references.

G. Rymashevskiy

[Abstracter's note: Complete translation]

Card 3/3

GAWIN, C., mgr inz.; KAZIOR, Z., inz.

Modeling device for reproduction of the choling course of large forgings. Biul inf inst metal zel no.2/:18-20 '63.

1. Institue of Iron Metallurgy, Gliwice.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514520002-2"

26

L 29948-66 ARG/EMP(c)/EMP(h)/FBD/FBO WM/JKT
ACC NR. AN5028952 (A) SOURCE CODE: PO/9000/65/000/218/0002/0002

AUTHOR: Gawel, C

ORG: none

TITLE: Trends in the training of rocketeers

SOURCE: Zolnierz Wolnosci, no. 218, 1965, 2

TOPIC TAGS: rocket, missile firing, peaked in the procedure, military traintraining area, training equipment, training procedure, military training, military installation, guided missile framming

ABSTRACT: The "Polygon" is a huge complex of buildings erected in the steppes. One site in the area is devoted to training rocketeers. Polish cavalrymen come to the "Polygon" to learn about changes in Soviet training methods and to exchange information. The training of Soviet rocketeers is effected by the following two methods: 1) audiovisual push-button exhibits of rocket operation accompanied by tape recorded commentary conducive to classroom instruction, and 2) sets of rocket operation simulators for self-study by individual trainees.

Card 1/2

L 29948-66

ACC NR:AN5028952

Preference is expressed for the second method because the individual sets are easy to operate and, unlike the first method, involve thinking on the part of the trainee.

SUB CODE: 05, 19/ SUBM DATE: 15Sep65

25(1)

POL/35-59-15-6/20

AUTHORS:

Gawin, Cyryl, Master of Engineering, and Goczał, Jan,

Master of Engineering

TITLE:

Alkilo - A New Reagent for Determination of the Size

of Austenite in Steel

PERIODICAL:

Przegląd Mechaniczny, 1959, Nr 15, pp 500-502 (POL)

ABSTRACT:

The authors describe the properties of "alkilo", a new reagent for determination of the size of austenite grains in steel. The Instytut Metalurgii Zelaza (Institute of Iron Metallurgy) made tests with the reagent known as "teepol" and the satisfactory results encouraged to produce a counter-part of teepol. The new reagent, known as "alkilo", contains picric acid and alkyl sulfonic acid. The tests were made with a water solution containing picric acid and 0, 0.5, 1, 1.5 and 2% of alkilo. The tests were made on NC4 steel samples, hardened at the same temperature. The best results were obtained with the water solution contain-

Card 1/2

ing 1% of the alkilo.

POL/35-59-15-6/20
Alkilo - A New Reagent for Determination of the Size of Austenite in Steel

There are 7 photographs and 1 table.

ASSOCIATION: Instytut Metalurgii Żelaza, Gliwice (Institute of Iron Metallurgy, in Gliwice)

Card 2/2

FIRKOWSKI, Ryszard; GAWIN, Jerzy; JABIONSKI, Zdzislaw; JATCZAK, Jerzy; KARAKULA, Szczepan; ZAWADZKI, Aleksander

Distance measurements of the cores of extensive air showers from the center of detector systems by using the density gradient method. Nauki matem przyrod Lodz no. 15: 113-125 163.

1. Katedra Fizyki Doswiadczalnej, Uniwersytet, Lodz.

GAWIN, Jerzy; HIBNER, Juliusz

Method of individually locating the axis of large atmospheric showers of cosmic radiation. Nauki matem przyrod Lodz no.17: 35-40 '64.

1. Department of Experimental Physics of the University, Lodz, and Lodz Branch of the Institute for Nuclear Research of the Polish Academy of Sciences.

HIBNER, J.; FIRKOWSKI, R.; GAWIN, J.; ZAWADZKI, A.

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prof. dr J.Rutkowski.

(GALLBLADDER, abnormalities,
agenesia)

(ABNORMALITIES,
agenesia of gallbladder)

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(POLYPI stomach, diag. & pathol.)

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(Amino bromome thoxyacridine) (Tumors) (Amino acridine) (Amino group) (Butyl group) Methyl group)

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GANLIK,	<u></u>	, EXCERFIA	A MEDICA	Sec.16	Vol.4/4	Cancer	April56		ল ুলাইটা
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(NECK neopl)

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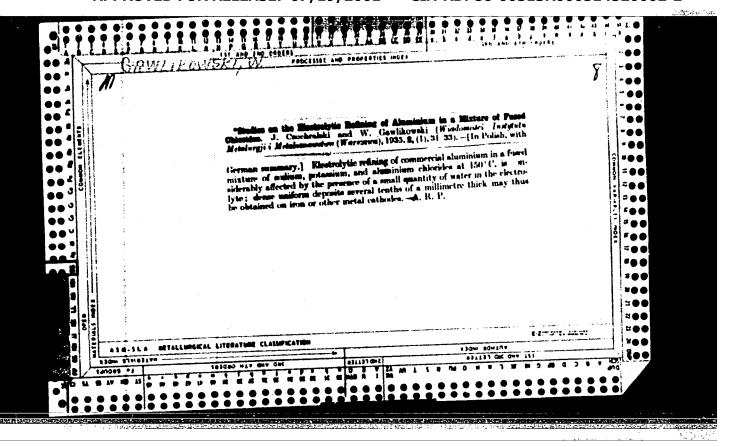
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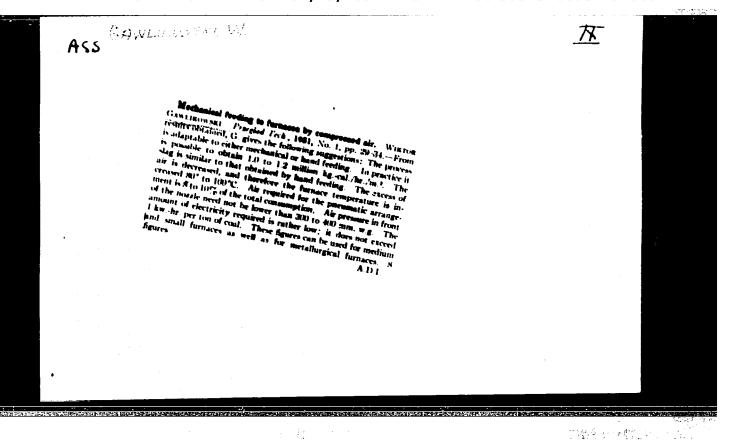
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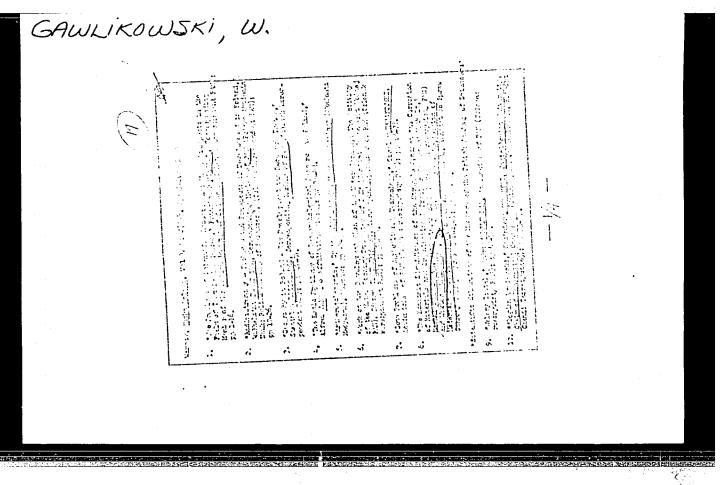
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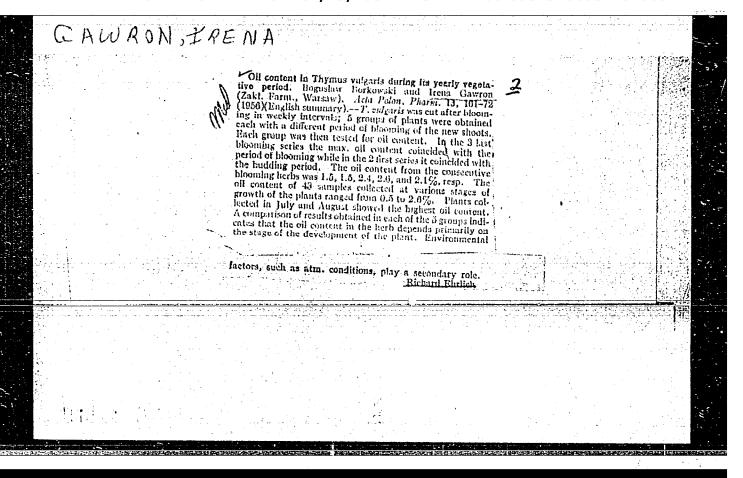
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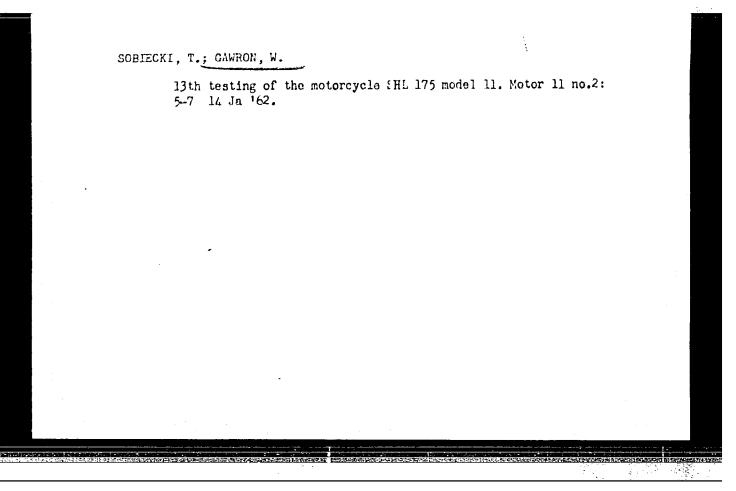
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(PEDIATRICS blood)